AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-32. (cancelled)

33. (currently amended) A powdered material, the binder phase of which essentially consists of a cement system, which powdered material has the capacity, following saturation with a hydration liquid, to hydrate to a chemically bonded ceramic material, ~~characterised in that~~ wherein said powdered material comprises a first part component which has the ability, together with a second part component ~~not comprised in said powdered material~~ comprised in a hydration liquid, to form an organic phase in the form of a polymer selected from the group ~~that consists~~ consisting of polymers based on hydrophilic or partially hydrophilic acrylate, carbonate, protein, cellulose, siloxane, polyacetal, collagen, elastin, and polyester.

34. (currently amended) [[A]] The powdered material according to claim 33, ~~characterised in that~~ wherein the binder phase is a ceramic powder selected from the group ~~that consists~~ consisting of aluminates, silicates, phosphates, sulphates and combinations thereof.

35. (currently amended) [[A]] The powdered material according to claim 34, ~~characterised in that~~ wherein the binder phase [[is]] has cations selected from the group consisting of Ca, Sr and Ba.

36. (currently amended) [[A]] The powdered material according to claim 35, ~~characterised in that~~ wherein said first part component is a monomer selected from the group ~~that consists~~ consisting of monomers of hydrophilic methacrylate type, HEMA, monomers having phosphate groups, alkenoids, monomers for carbopolymers, diols, and diacids.

37. (currently amended) [[A]] The powdered material according to claim 33, ~~characterised in that~~ wherein it exists in the form of granules of powder particles, which granules exhibit a degree of compaction above 55 % and a mean size of 30 - 250 μm.

38. (currently amended) [[A]] The powdered material according to claim 37, ~~characterised in that~~ wherein said granules exist in a composition that comprises up to 50 % non pre-compacted powdered material, of the same cement-based system as the powdered material in the granules.

39. (currently amended) An aqueous hydration liquid for hydration of a powdered ceramic material according to claim 33 to a chemically bonded ceramic material, ~~characterised in that~~ wherein said hydration liquid comprises a second part component which has the ability, together with a first part component comprised in said powdered material, to form an organic phase in the form of a polymer.

40. (currently amended) [[A]] The hydration liquid according to claim 39, ~~characterised in that~~ wherein said second part component is a polymer selected from the group ~~that consists~~ consisting of polymers based on hydrophilic or partially hydrophilic acrylate, carbonate, protein, cellulose, siloxane, polyacetal, collagen, elastin, and polyester.

41. (currently amended) [[A]] The hydration liquid according to claim 39, ~~characterised in that~~ wherein said second part component is a monomer selected from the group consisting of monomers of hydrophilic methacrylate type, HEMA, monomers having phosphate groups, alkenoids, monomers for carbopolymers, diols, diacids, and amino acids.

42. (currently amended) [[A]] The hydration liquid according to claim 40, ~~characterised in that~~ wherein said

second part component is a monomer selected from the group ~~that consists~~ consisting of diacids [[or]] and aminoacids.

43. (currently amended) A chemically bonded ceramic material, the binder phase of which ~~essentially~~ consisting essentially of an inorganic cement phase, which ceramic material is in situ-formed on a substrate or in a cavity, ~~characterised in that~~ wherein said material also comprises an situ-formed polymer selected from the group ~~that consists~~ consisting of polymers based on hydrophilic or partially hydrophilic acrylate, carbonate, protein, cellulose, siloxane, polyacetal, collagen, elastin, and polyester.

44. (currently amended) [[A]] The ceramic material according to claim 43, ~~characterised in that~~ wherein its binder phase is a calcium-containing ceramic powder in the group ~~that consists~~ consisting of aluminates, silicates, phosphates, sulphates and combinations thereof.

45. (currently amended) [[A]] The ceramic material according to claim 43, ~~characterised in that~~ wherein its binder phase has cations selected from the group consisting of Ca, Sr and Ba.

46. (currently amended) [[A]] The ceramic material according to claim 43, ~~characterised in that~~ wherein the inorganic cement phase constitutes 50 % by volume or more of the ceramic material.

47. (currently amended) [[A]] The ceramic material according to claim 43, ~~characterised in that~~ wherein the organic phase exists as a phase that is non-communicating with the inorganic cement phase, such as separate areas.

48. (currently amended) [[A]] The ceramic material according to claim 43, ~~characterised in that~~ wherein the organic phase exists as a network or as separate areas in the inorganic cement phase.

49. (currently amended) [[A]] The method of producing a ceramic material according to claim 43 which comprises an organic phase in the form of a polymer, ~~characterised by~~ comprising the steps of:

~~adding a second part component, being a monomer selected from the group consisting of monomers of hydrophilic methacrylate type, HEMA, monomers having phosphate groups, alkenoids, monomers for carbopolymers, diols, diacids, amino acids, to~~

mixing a powdered material, comprising a first part component, ~~selected from the same group of monomers,~~ with a hydration liquid comprising a second part component, and

[[-]] if necessary, initiating a polymerisation reaction between the first and second part components,

whereby the first and second part components together form an organic phase, in the form of a polymer.

50. (cancelled)

51. (currently amended) [[A]] The method of producing a ceramic material according to claim 49, ~~characterised in that~~ wherein the polymer is formed by co-polymerisation *in situ*.

52. (currently amended) [[A]] The method of producing a ceramic material according to claim 49, ~~characterised in that~~ wherein the polymer is formed by condensation polymerisation *in situ*.

53. (cancelled)

54. (currently amended) [[A]] The method according to claim 49, ~~characterised in that~~ wherein the polymerisation reaction is chemically, photo- or thermochemically initiated.

55. (currently amended) [[A]] The method according to claim 49, ~~characterised in~~ wherein the hydration and polymerisation reactions not being allowed to give a temperature exceeding 50 °C, in the material, which temperature control is effected by bringing the organic phase to form a network or separate areas in the inorganic cement phase and/or allowing the organic phase to constitute no more than 50 % by volume of the material.

56. (currently amended) [[A]] The method according to claim 49, ~~characterised in that~~ wherein said powdered material initially is compacted to a degree of compaction above 55 %, where after it is finely divided into granules of powder particles, which granules exhibit a mean size of 30 - 250 μm.

57. (currently amended) [[A]] The method according to claim 56, ~~characterised in that~~ wherein said granules are mixed with up to 50 % of non pre-compacted powdered material of the same cement-based system as the powdered material in the granules.

58. (currently amended) [[A]] The method according to claim 56, ~~characterised in that~~ wherein the material is compacted to a raw compact that exhibits an average degree of compaction above 55 %.

59. (currently amended) [[A]] The method according to claim 57, ~~characterised in that~~ wherein the material is suspended in a liquid that reacts with the binder phase, where after the resulting suspension/paste is drained and compacted before the material is allowed to harden by reaction between the binder phase and any liquid remaining, which compaction is done to a degree of compaction above 55 %.

60. (currently amended) [[A]] The method according to claim 57, ~~characterised in that~~ wherein a hydration liquid is mixed with the granules by rolling, kneading or hand pressing such that a paste is formed, which paste is applied in a designated void.

61. (currently amended) [[A]] The method according to claim 60, ~~characterised in that~~ wherein the paste is applied by packing or squirting into the void.

62. (currently amended) A ~~kit or~~ system for producing a chemically bonded ceramic material, ~~characterised in that~~ wherein it comprises a powdered material according to claim 33 and a hydration liquid a second part component which has the ability, together with a first part component comprised in said powdered material, to form an organic phase in the form of a

polymer, and optionally an initiator for initiating the reaction between the first and second part components.

63-66. (cancelled)